

SB 62 PROJECT REPORT

November 2006

Project	Grant Amount	Project Summary
Humboldt River Basin Water Authority	\$120,000.00	Assemble existing information into a water resources data base in support of threats to water rights. Develop recommendations for collection of additional necessary data. Develop a public information program. Deliver a summary report for each county describing available forecast of economic/demographic conditions and related water. A funding agreement has been signed and work is in progress.
Esmeralda County	\$16,245.85	Conduct a physical reconnaissance of the County's present water uses & existing water rights and develop a strategy to enhance and protect the County's water rights to ensure present and future water demands can be met. Write a water rights management plan. A funding agreement has been signed.
Town of Tonopah	\$11,250.00	Assemble all active surface and groundwater rights for Ralston Valley Hydrographic Basin No. 141, Big Smokey – Tonopah Flat Hydrographic Basin No. 137, and Alkali Spring Valley Hydrographic Basin No. 142. A funding agreement has been signed.
Churchill County	\$36,500.00	Update of the County's Water Resources Plan for surface and groundwater resources. Review of all county records relating to water resource requirements, both existing and projected. Update of the water resource ownership in the County. A funding agreement has been signed and work is in progress.
Eureka County	\$120,000.00	Compile and develop a database of existing water-level data and supporting hydrologic information as the basis for developing a baseline of water-level measurements for Nevada's Central Hydrographic Region. Create maps showing a spatial distribution of existing water level data. A funding agreement has been signed.
Gerlach	\$92,833.42	A database of spring flow and quality will be developed to determine any changes that might result from the proposed development in the basin that might adversely affects the two springs (Garden and Railroad Springs) that provide water to Gerlach. Collection boxes, meters and/or remote sensing equipment may be used to obtain data from the springs. A funding agreement has been signed. The GID has hired an engineer and work is in progress. Flow metering and data logging equipment have been purchased.
LVVWD – Kyle Canyon	\$27,184.72	Install 100 Permalog units for the detection of subsurface leaks and acquisition of a Patroller unit for data collection. This system will allow operators to find and repair leaks, protecting millions of gallons of water previously lost to the system. A funding agreement has been signed and work is in progress.
City of Fernley	\$38,680.59	Reconcile all past and future mapping difficulties by attempting to develop a new GIS map of all Truckee Diversion surface water rights within the City of Fernley. A funding agreement has been signed.
Virgin Valley Water District	\$116,041.77	Analyze water quality information from throughout the watershed region to develop a conceptual model of groundwater flow, mixing and hydrologic connection through naturally occurring chemical tracers, and develop a steady-state representation of the predevelopment conditions of the regional groundwater flow systems utilizing modifications of previous models to develop a comprehensive numerical model. A funding agreement has been signed.

White Pine County	\$116,041.77	<p>Update information (including: hydrogeologic framework, groundwater hydrology, and regional groundwater flow system) on County's water resources and update the Water Resources Plan to assist in identifying potential water use and needs based on scenarios for growth and development. A funding agreement has been signed and work is in progress.</p> <p>Progress Report, Sept 7, 2006: A workshop was conducted with White Pine County elected and appointed officials to assist them with decision making with respect to water rights, planning, and development. The workshop helped with understanding of the vocabulary, underlying principles, specific legal requirements, and how federal and state regulations impact development in the County. A socio-economic report was compiled to help the County understand its development potential based on past and current experience and the water resources in each of its basins. The County and its contractor identified surface and groundwater commitments by status and manner of use in each of its basins. In addition, an annotated bibliography of resource material was compiled to help the County understand its water resources and issues. Sites for continued water resource monitoring were identified and a GIS database was developed to assist the County in its water resources program. A draft Monitoring Protocol and Mitigation Procedures document was developed. The contractor is assisting the County in determining alternatives that will assist the Water Advisory Committee in recommending specific action to the County Commission. A strategy is being developed to provide and on-going review and revision of the County's Water Resource Plan.</p>
LVVWD – Searchlight	\$150,000.00	Drill and develop 4 new monitoring wells to better understand the groundwater resource and groundwater quality in Paiute Valley and the Eldorado Valley Basins. One of the 4 wells will be funded by this grant. A funding agreement has been signed.
Topaz Ranch Estates	\$5221.88	Identification and mapping of proposed point of use/place of diversion for the existing 9 water rights permits. A funding agreement has been signed.
Central Nevada Regional Water Authority	\$150,000.00	Compile and document the baseline information required to determine long-term changes in groundwater levels in order to evaluate the sustainability of present groundwater supplies secured under existing water rights, analyze the impacts of future development, and support future actions by local governments. A funding agreement has been signed.